

WHAT IS CLAIMED IS:

1 1. A system for processing waste material, the system
2 comprising:

3 means for separating waste material into a solid
4 component, and a liquid and tissue component;

5 means for separating the liquid and tissue component into
6 a liquid component and a tissue component;

7 means for mixing the solid component and the tissue
8 component to form a solid and tissue mixture;

9 means for combining the solid and tissue mixture and
10 superheated steam to form a cellulose material; and

11 means for extruding the cellulose material to form a
12 construction material.

1 2. The system of claim 1, wherein the means for
2 separating waste material into a solid component and a liquid
3 and tissue component comprises a grid system.

1 3. The system of claim 1, wherein the means for
2 separating the liquid and tissue component into a liquid
3 component and a tissue component comprises a centrifuge.

1 4. The system of claim 1, wherein the means for mixing
2 the solid component and the tissue component to form a solid
3 and tissue mixture comprises a mixer.

1 5. The system of claim 1, wherein the means for
2 combining the solid and tissue mixture and superheated steam
3 comprises a hydrolizer.

1 6. The system of claim 1, wherein the means for
2 extruding the cellulose material comprises an extruder.

1 7. The system of claim 1, further comprising:
2 means for processing the solid component prior to mixing
3 the solid component and the tissue component.

1 8. The system of claim 7, wherein the means for
2 processing the solid component comprises a hammer mill.

1 9. The system of claim 1, further comprising:
2 means for sterilizing the cellulose material prior to
3 extruding the cellulose material.

1 10. The system of claim 9, wherein the means for
2 sterilizing the cellulose material comprises an autoclave.

1 11. The system of claim 1, further comprising:
2 means for mixing additional material with the cellulose
3 material prior to extruding the cellulose material.

1 12. The system of claim 1, further comprising:
2 means for boiling the liquid component to produce the
3 superheated steam.

1 13. The system of claim 12, wherein the means for
2 boiling the liquid component comprises a boiler.

1 14. A method of processing waste material, the method
2 comprising the steps of:

3 separating waste material into a solid component, and a
4 liquid and tissue component;

5 separating the liquid and tissue component into a liquid
6 component and a tissue component;

7 mixing the solid component and the tissue component to
8 form a solid and tissue mixture;

9 combining the solid and tissue mixture and superheated
10 steam to form a cellulose material; and

11 extruding the cellulose material to form a construction
12 material.

1 15. The method of claim 14, further comprising the step
2 of:

3 processing the solid component prior to the step of
4 mixing the solid component and the tissue component.

1 16. The method of claim 14, further comprising the step
2 of:

3 sterilizing the cellulose material prior to the step of
4 extruding the cellulose material.

1 17. The method of claim 14, further comprising the step
2 of:

3 mixing additional material with the cellulose material
4 prior to the step of extruding the cellulose material.

1 18. The method of claim 14, further comprising the step
2 of:
3 boiling the liquid component to produce the superheated
4 steam.